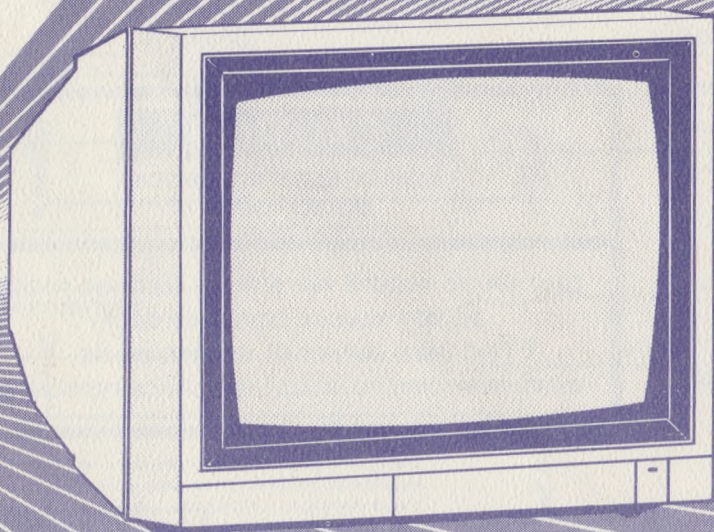


MAGNAVOX

RGB Monitor 40

INSTALLATION AND
OPERATION
GUIDE



Model
CM8505

INTRODUCTION

Thank you for purchasing a Magnavox color computer monitor. We believe it will provide you with years of trouble free performance providing it is installed and maintained according to the guidelines listed in this manual. Please read the rest of the manual before you attempt to connect and operate your color monitor.

Your Magnavox color monitor is engineered and constructed to work well with a variety of home and personal computer products. In general, your new monitor will function properly with any computer which generates a composite video signal. In addition, your unit is equipped with an audio input and speaker to provide sound reproduction for those computers which also generate an audio signal. This monitor offers superior resolution and can be used as a display for a VCR, VLP, color camera, or as a component TV with the addition of a component TV tuner.

Connecting cables for several models of popular personal computers are packed with your monitor. Each cable's package lists the computers it is to be used with. Interface cables for other computer products are available either from your computer dealer or direct from Magnavox.

Besides composite audio and video, your monitor has connection inputs for both TTL and Analog RGB. These can be used for a computer or other equipment requiring this type of hookup. The cables required for this are optional.

Before going further, take a moment to record your color monitor model and serial number in the spaces provided below.

MODEL _____

SERIAL # _____



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user of the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point with an equilateral triangle is intended to alert the user of the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

WARNING

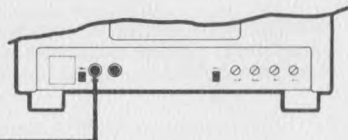
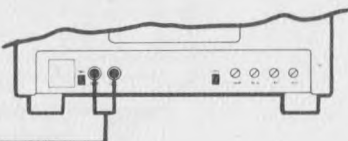
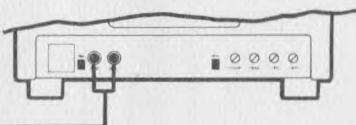
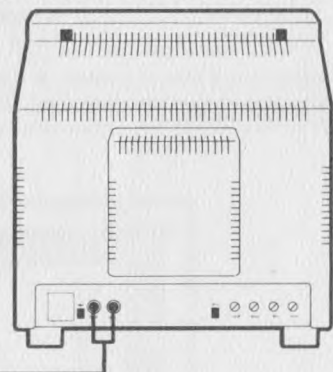
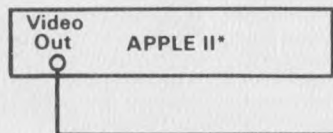
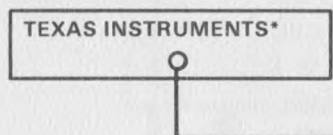
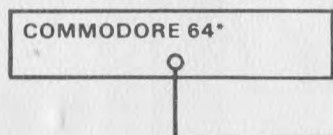
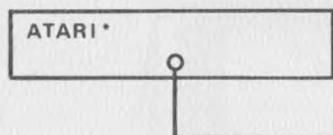
TO PREVENT DAMAGE WHICH MAY RESULT IN FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR EXCESSIVE MOISTURE.

CONNECTION TO THE COMPUTER

Your monitor is equipped with phono connectors for input of composite video and audio signals. Each connector is marked for its function.

The illustrations below demonstrates some of the different type of computer connections that can be made to your monitor.

MAGNAVOX COLOR MONITOR



*Atari is a trademark of Atari, Inc.

*Commodore is a trademark of Commodore Business Machines, Inc.

*Texas Instruments is a trademark of Texas Instruments, Inc.

*Apple is a trademark of Apple Computer, Inc.

CONTROL LOCATIONS AND FUNCTIONS

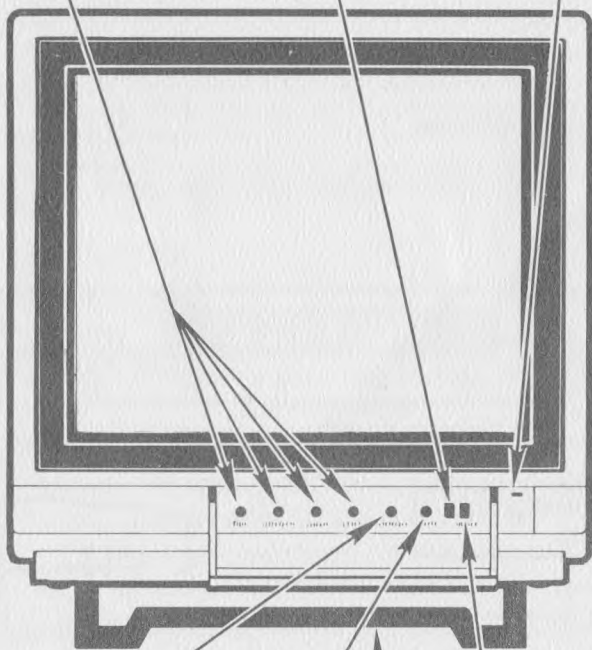
Front View

RGB/Composite Switch — Used to select the two RGB or the composite inputs. Switching between the two RGB inputs is automatic.

COMPOSITE ☐ RGB ☒

Adjust the Color, Contrast, Brightness and Hue controls to the desired color levels.

Press Power Switch — turns monitor on/off. When the power is on the LED will light.



The Sharpness control is used to adjust picture detail to suit individual preferences.

Your monitor is equipped with a Green Switch that can be used to produce a screen that imitates a green monochrome monitor. Typically used to improve the legibility of text in word processing applications.

Volume control adjusts speaker volume.

Convenient tilt base folds out of the bottom allowing you to adjust the monitor's viewing angle.

Rear View

VCR Button — If you use your monitor as a display for your VCR, VLP or Video Camera press this button to adjust the monitor's circuitry to those devices.

Audio Input — For connecting a source with an audio signal output.

H-Width Control — Used to adjust the image width on the screen.

Comb Filter Defeat Switch — For Video Enhancement. IN for computer usage. OUT for viewing alternate video sources.

CVBS (Composite Video Signal) Input — For connecting a computer with composite video output.

RGB 8 Pin DIN Socket — TTL input used to connect a computer requiring this type of interface terminal. IBM PC, PCJR, And Apple can use this socket.

RGB 6 Pin DIN Socket — Analog input used to connect different types of optional equipment such as telex or some videodisc players using this type of terminal.

Centering Vert. & Horiz. Controls — Depending on the situation you can center the image vertically from top to bottom or horizontally from left to right with these controls.

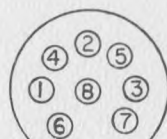
V-Height Control — Used to adjust the image height on the screen

Optional Equipment — A VCR, Video Disc Player, Video Camera, or component TV tuner can be connected to the CVBS Input and Audio Input sockets.

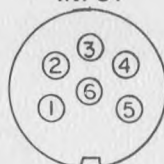
RGB 8 and 6 Pin DIN Sockets

PIN ASSIGNMENTS

PIN NO.	TTL INPUT 8 PIN SIGNAL	ANALOG 6 PIN SIGNAL
1	IBM Open/Apple Gnd.	Green
2	Red	Horiz. Sync
3	Green	Ground
4	Blue	Red
5	Intensity	Blue
6	Ground	Vert. Sync
7	Horiz. Sync	
8	Vert. Sync	



TTL
INPUT



ANALOG
INPUT

When using these sockets before connecting the equipment, place the RGB/Composite Switch in the RGB position.

CAUTION:

This monitor generates and uses radio frequency energy and if not installed and used properly, that is, in strict accordance with the manufacturer's instructions, may cause interference to radio and television reception. It has been type tested and found to comply with the limits for a Class B computing device in accordance with the specifications in Subpart J of Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation. If it does cause interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- ...reorient the receiving antenna
- ...relocate the computer with respect to the receiver
- ...move the computer away from the receiver
- ...plug the computer into a different outlet so that the computer and receiver are on different circuits.

If necessary, the user should consult the dealer or an experienced radio/television technician for additional suggestions. The user may find the following booklet prepared by the Federal Communications Commission helpful: "How To Identify and Resolve Radio-TV Interference Problems". This booklet is available from the US Government Printing Office, Washington, D.C., 20402, Stock No. 004-000-00345-4.

TECHNICAL SPECIFICATIONS

Picture Tube Type	: 13" diagonally measured
Deflection Angle	: 90°
Video Input Signal	: Composite Video, 1Vp-p, negative sync, phono connection type. : TTL level digital video, separate horizontal and vertical syncs. : Analog video 0.7Vp-p
Horizontal Resolution	: 330 dots
Character Field	: 25 lines of 40 characters (1000 total)
Audio Input Level	: Up to 150mV, phono connector type.
Audio Output Level	: Up to 1W @ 5% distortion.
Power Supply	: 120Vac $\pm$ 10%, 50-60Hz
Power Consumption	: 75 Watts Maximum
Dimensions (H x W x D)	: 320 x 350 x 387mm

In support of our policy of continuous product improvement, the above specifications are subject to change without notice.

SAFETY PRECAUTIONS

- A. Do not place objects on top of the monitor cabinet which could fall into vents or which could cover them and prevent proper cooling of the monitor's electronics.
- B. To reduce the risk of fire or shock, never expose the monitor to rain or excessive moisture.
- C. Do not place your monitor where sunlight or bright room light will fall directly on the screen.
- D. When necessary clean the cabinet with a damp cloth. Use only mild detergents. Do not use alcohol or ammonia based products.
- E. Unplug the AC cord from the outlet if the monitor is not to be used for an extended period of time.

User Maintenance Caution

There are no user serviceable parts inside the monitor's cabinet. Do not attempt to remove the cabinet back, as you will be exposed to a shock hazard.

MAGNAVOX LIMITED WARRANTY

Computer Monitor

Thank you for selecting a Magnavox computer monitor. Carefully read the Owner's Manual furnished with this product. We believe you will be very satisfied with your purchase and provide the following limited warranty to you, as the original purchaser.

MAGNAVOX RESPONSIBILITY

SERVICE LABOR & PARTS — For the first 12 months from date of purchase, a Magnavox Authorized Service Center will repair any product defect and replace any defective parts without charge to you for parts or labor.

REPLACEMENT PARTS — An Authorized Service Center will supply a new or at our option, remanufactured part for any part found defective, without charge to you during the warranty period. Replacement parts are warranted only for the balance of the original warranty period.

WARRANTY COVERAGE — This warranty extends only to those products purchased and used within the fifty United States. It does not apply to products used in commercial applications and covers defects in workmanship and materials only. **It does not cover** installation, adjustment of customer controls identified in the Owner's Manual, damage resulting from misuse or abuse, and all other failures not attributable to manufacturing defects.

OWNER RESPONSIBILITY

OPERATING INSTRUCTIONS — Carefully read the Owner's Manual so that you will understand the operation of your monitor and how to adjust the customer controls.

POWER — Be sure that your monitor is plugged into a POWERED electrical outlet.

CARRY-IN SERVICE — The set must be taken to a Magnavox Authorized Service Center for warranty service and must be picked up by the owner following notice of repair.

HOW TO GET WARRANTY SERVICE — For warranty service, contact your dealer. If your dealer does not operate an Authorized Service Center, he will direct you to one engaged by him to service the product he sells.

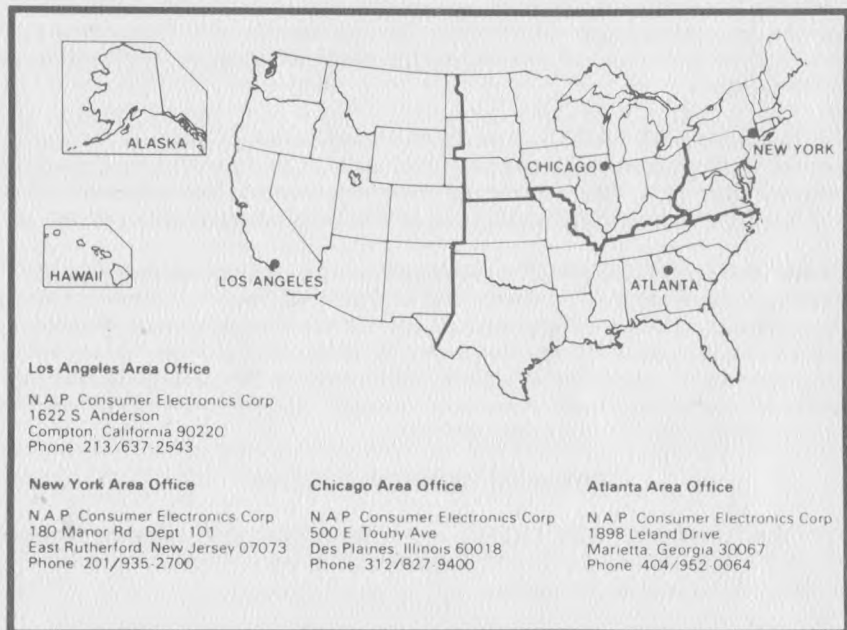
If you are unable to locate an Authorized Service Center, or if you move to another city, contact the nearest Magnavox Consumer Affairs Office identified on the reverse side of this page.

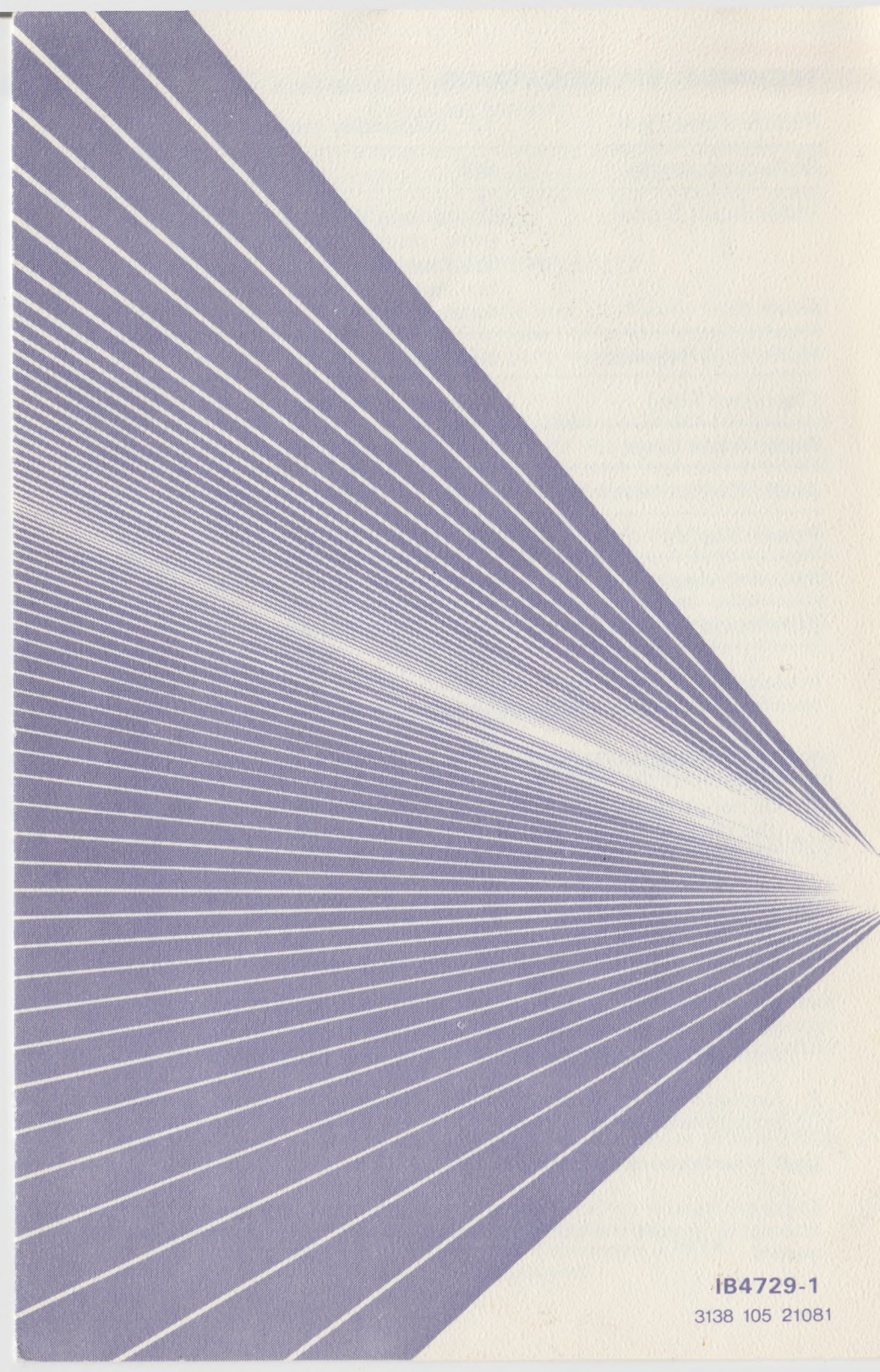
N.A.P. Consumer Electronics Corp.
P.O. Box 6950 • Knoxville, Tennessee 37914
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CONSUMER AFFAIRS

All Magnavox Dealers offer repair service through their own service departments or through one or more nearby Magnavox Authorized Service Centers. Although it is expected that needed repair service will be furnished on request by the Dealer's service organization, situations which he may not resolve to the owner's satisfaction should be reported to the nearest Magnavox Area Service Office for investigation and follow-up.

Call or write to Magnavox, Consumer Affairs Manager, at —





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